

Black Border Software

for Microsoft® Windows®

User manual

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Introducing the Black Border Software

This chapter covers the following topics:

- ☐ [About the Black Border Software](#)
- ☐ [Black Border Software features](#)

About the Black Border Software

The Black Border Software is an add-on program to the QC Viewer Software and to the IPD Viewer Software.

The Black Border Software User manual provides general and practical information on using the Black Border Software. For full details on using the Black Border Software in combination with the QC Viewer Software and the IPD Viewer Software, refer to the Reference manual or the online Help of the QC Viewer Software and the IPD Viewer Software respectively.

Black Border Software features

The ADC Black Border Software permits you to:

- Change the collimation borders of a collimated image into grey, semi-transparent borders, thus allowing for enhanced viewing.
- Manually cover non-relevant areas of the image with black borders (shutters).
- Extract the relevant areas and save them as separate images (cropping).

You can access the above functions via the Image Processing toolbar.



Image Processing toolbar

	Collimation Border button
	Rectangular Shutter button
	Circular Shutter button
	Extract ROI button

Using the Black Border Software

This chapter covers the following topics:

- ☐ [Showing/hiding collimation borders](#)
- ☐ [Applying shutters around a region of interest \(ROI\)](#)
- ☐ [Extracting a region of interest \(ROI\)](#)
- ☐ [Saving a processed image](#)

Showing/hiding collimation borders

A collimated image can be displayed either with or without grey, semi-transparent collimation borders. Collimation borders facilitate viewing images for diagnosis.

To turn the collimation borders on or off:

- 1 Make the collimated image the active image.

Refer to the Reference manual of the QC Viewer Software or the IPD Viewer Software.

- 2 On the Tools menu, click Image Processing.

Alternatively, you can click the Image Processing button on the Standard toolbar.



The Image Processing toolbar is displayed.



- 3 Click the Collimation Border button.



If the button is in its normal state, the collimation borders are turned off. If the button is pressed, the collimation borders are turned on; they are displayed as black regions.

- 4 To save the changed image, either replace the existing image or save the changed image as a new image.

Refer to '[Saving a processed image](#)' on page 14.

Applying shutters around a region of interest (ROI)

The Black Border Software permits you to mask non-relevant areas of the image with black borders (shutters).

To apply shutters around one or more regions of interest (ROI):


- 1 Make the image to which you wish to apply shutters the active image.
Refer to the Reference manual of the QC Viewer Software or the IPD Viewer Software.
- 2 On the Tools menu, click Image Processing.
Alternatively, you can click the Image Processing button on the Standard toolbar.



The Image Processing toolbar is displayed.



- 3 Select a form for the shutter:

To use	Click	Button
A rectangular shutter	Rectangular shutter button.	

A set of sizing handles is displayed.

- 4 Drag the sizing handles to mask the non-relevant areas of the image.
The non-relevant areas are covered with black borders.

- 5** To save the changed image, either replace the existing image or save the changed image as a new image.

Refer to '[Saving a processed image](#)' on page [14](#).

- You can also extract the relevant areas of an image and save these as new images. This can reduce image size significantly. Refer to '[Extracting a region of interest \(ROI\)](#)' on page [13](#).

Extracting a region of interest (ROI)


You can extract the relevant areas of an image and save these as new images. This can reduce image size significantly.

Saving a processed image

If you have modified an image and you wish to save these changes, save the image manually on disk.

To save an image:

- 1 Make the image the active image.
Refer to the Reference manual of the QC Viewer Software or the IPD Viewer Software.
- 2 Perform any interactive processing operations.
- 3 Save the image:

To	Do this	Button
Replace the existing image with the changed image	On the File menu, click Save Image. Alternatively, you can click the Save button on the Standard toolbar.	
Save the changed image as a new image which is added to the study	On the File menu, click Save as New.	—

The image is stored in the local database.



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